Radio Communications Service

Hi-Speed Fixed-Wireless Internet • Two-way Radios • Computer Networking Services

December 21, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

RE: WT Docket No. 11-49

Dear Ms. Dortch,

Radio Communications Service is a locally owned and operated fixed wireless broadband service provider located in Crowley, LA. For the last eight years, we have been providing fixed wireless broadband service to over 1,600 residences in an area covering over 4,000 square miles utilizing Cambium Canopy 900MHz equipment. We use 900Mhz equipment because of the excellent propagation properties of the 900Mhz frequency. In our area, it is impossible to provide service to these residents on any other unlicensed frequency band that would be cost effective.

I have read the joint report prepared by WISPA and Progeny and it concerns me greatly. These tests do not, in any way, reflect the environment in which I operate. First of all, my coverage area is extremely flat and mostly cleared farm land. However, there are tree-lines and forested areas that prevent line of site for other frequencies. Furthermore, most of my customers are beyond 6 miles distant from any of my transmitting towers, much further than the 2.3 miles used in the test.

Based on the report, any reduction in throughput on my Canopy system when Progeny's network is "ON", will induce an unacceptable level of interference. Throughput on my Canopy system is currently at maximum capacity and customers are constantly demanding more. Signal strengths for my customers are stable but are easily disrupted by outside interference. I utilize the entire unlicensed 900Mhz band and I have access points deployed in both horizontal and vertical polarity at 100 - 400ft. There is no room for interference. It is my professional opinion, that should Progeny build out its network, I will eventually be unable to provide internet service to most all of my customers as it will be too expensive or even impossible to convert them to a different system other than 900Mhz equipment.

Sincerely,

Jay Domingue

Jay Domingue
Business Development

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